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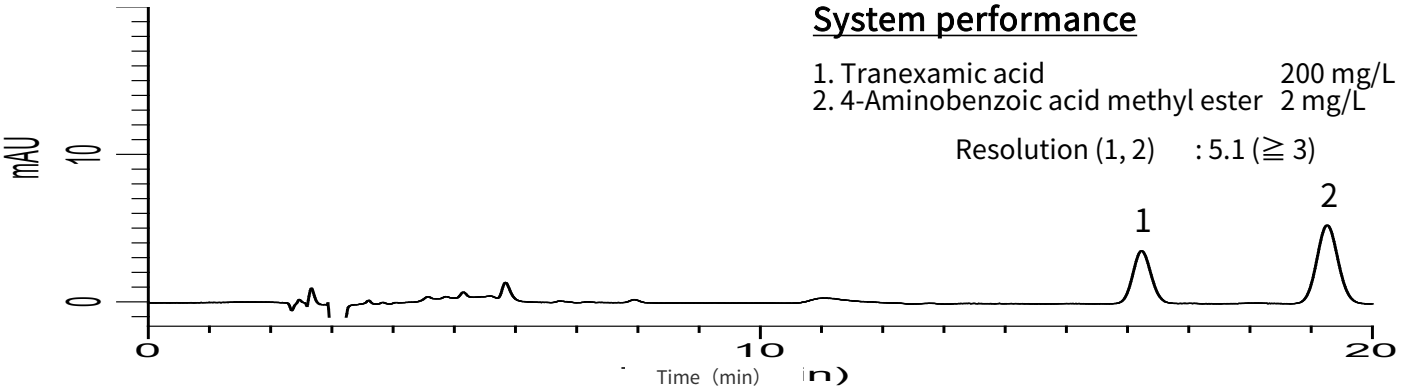
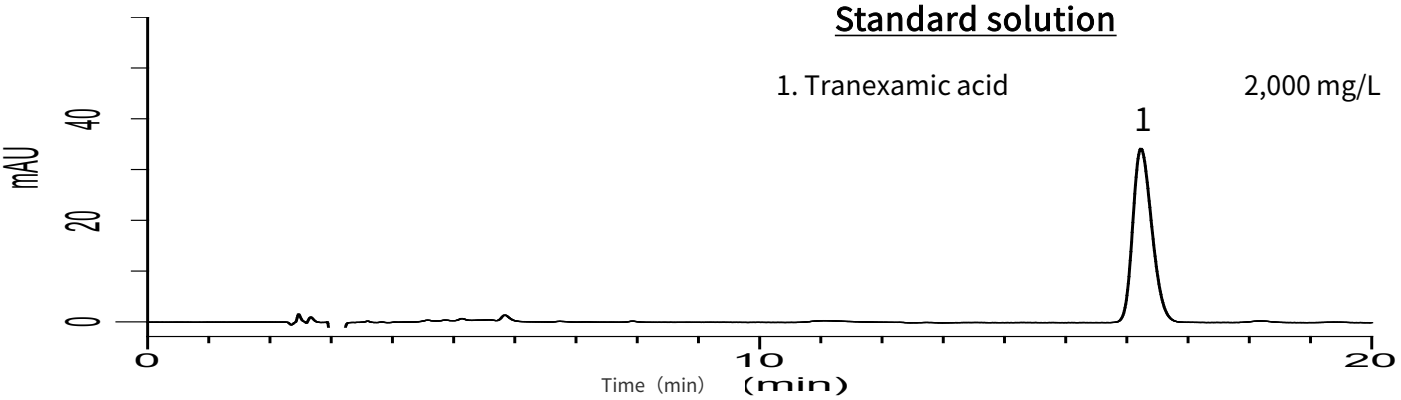
Analysis of Tranexamic acid

(Under the Condition of the Japanese Pharmacopoeia, Tranexamic acid Tablets)

Data No. LB452-0919





Conditions

System	: GL7700 HPLC system
Column	: InertSustain AQ-C18 (5 µm, 250 x 6.0 mm I.D.)
Column Cat. No.	: 5020-89760
Eluent	: A) CH_3OH B) Buffer* A/B = 40/60, v/v
Flow Rate	: 1.45 mL/min
Col. Temp.	: 35 °C
Detection	: UV 220 nm (PD7752 PDA Detector)
Injection Vol.	: 30 µL
Sample	: Standard

*Dissolve 11.0 g of anhydrous sodium dihydrogen phosphate in 500 mL of water, and add 5 mL of triethylamine and 1.4 g of sodium lauryl sulfate. Adjust pH 2.5 with phosphoric acid, add water to make 600 mL.

Analyte:

1. Tranexamic acid

RSD of the peak area (%)(n=6) : 0.07 (≦ 1.0)

【NOTE】

1) Fully equilibrate the column prior to the analysis. Fully equilibrate the column with eluent for at least 24 hrs at 1 mL/min.
2) Prepare the eluent at time of use, otherwise the retention time may shift.